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(54) Cosmetic and skin protective compositions comprising catalase

(57) A hair and scalp formulation based on a peroxidase enzyme and synergistic yeast extract therefore. It entails a chemically-inert carrier material, a germicidal/preservative agent, and a metal chelating agent. A skin protective formulation based on peroxidase enzyme and yeast extract. It entails a polymer carrier, a fatty acid emollient, a co-emulsifier of an amino acid complex essential to a fatty acid; an emulsifying agent; a skin healing agent, and a germicidal surfactant. An aqueous formulation adapted for topical hair rinsing consisting of a peroxidase enzyme, a yeast extract adapted to enhance the activity of the enzyme and a cationic hair conditioning agent selected from water-soluble thickening resins.

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention
shall be considered, for the purposes of subsequent
proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Y	DD 268 157 A (BERLIN KOSMETIK VEB) 24 May 1989 (1989-05-24)	1,2,7-14	A61K7/06 A61K7/48
A	* claims; examples *	3-6	
Y	DATABASE WPI Section Ch, Week 199637 Derwent Publications Ltd., London, GB; Class D21. AN 1996-368055 XP002131624 & JP 08 175935 A (REAL KAGAKU KK), 9 July 1996 (1996-07-09) * abstract *	---	1,2,7-14
Y	GB 744 438 A (FROMMER, S.S.; SCHMEIDLER, G.A.) 8 February 1956 (1956-02-08) * claim 2 *	---	1,2,7-14
		-/--	
TECHNICAL FIELDS SEARCHED (Int.Cl.7)			
A61K			
INCOMPLETE SEARCH			
<p>The Search Division considers that the present application or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims.</p> <p>Claims searched completely: 1-3, 5-14</p> <p>Claims searched incompletely:</p> <p>Claims not searched: 4</p> <p>Reason for the limitation of the search: The silicone derivates mentioned as carriers in the dependent claim 4 are not covered by the corresponding independent claim 3, which refers only to acrylate derivatives and polysaccharide derivatives.</p>			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	14 July 2000	Minas, S	
CATEGORY OF CITED DOCUMENTS			
<input checked="" type="checkbox"/> particularly relevant if taken alone <input checked="" type="checkbox"/> particularly relevant if combined with another document of the same category <input type="checkbox"/> technological background <input type="checkbox"/> non-written disclosure <input type="checkbox"/> intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



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PARTIAL EUROPEAN SEARCH REPORT

Application Number

EP 99 12 3245

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
P,Y	OKANO, Y.; MASAKI, H.: "Efficacy of yeast extract cultivated with metal ions as a cosmetic ingredient" STN INTERNATIONAL, FILE CAPLUS, AN=1998:694912, XP002131622 & NIPPON KESHOHIN GIJUTSUHAKAI KAISHI, vol. 32, no. 3, 1998, pages 280-286, ---	1,2,7-14	
P,Y	JOHNSON, C.; LODS, L.M.; DRES, C.; SCHOLZ, D.; DURANT, B.; BROOKS, G.J.: "Reduction of damage caused by UV radiation" STN INTERNATIONAL, FILE CAPLUS, AN=2000:88915, XP002131623 & COSMET. NEWS ISSN: 1125-6222 (1999), vol. 22, no. 128, pages 322-326, ---	1,2,7-14	
Y	DATABASE WPI Section Ch, Week 199722 Derwent Publications Ltd.. London, GB; Class B04, AN 1997-241652 XP002131625 & JP 09 077674 A (KATO S). 25 March 1997 (1997-03-25) * abstract * ---	1,2,7-14	
Y	DATABASE WPI Section Ch, Week 199828 Derwent Publications Ltd.. London, GB; Class A96, AN 1998-320407 XP002131626 & RU 2 096 032 C (AS USSR CHEM BIOLOG ASSOC STOCK CO), 20 November 1997 (1997-11-20) * abstract * ---	1,2,7-14	
A	---	3-6 -/-	



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
Y	KREKE, C.W. ET AL.: NATURE (1944), vol. 154, no. 3904, pages 286-269, XP002132192 * figure 2 *	1,2,7-14	
D,A	US 4 129 644 A (KALOPISSIS GREGOIRE ET AL) 12 December 1978 (1978-12-12) * the whole document *	1,2,7-14	
A	FR 2 747 044 A (COLETICA) 10 October 1997 (1997-10-10) * page 10, line 7 - line 11; claims 18,22; examples 13A,16 *	3-6	
A	DATABASE WPI Section Ch, Week 199138 Derwent Publications Ltd., London, GB; Class A96, AN 1991-278286 XP002142575 & JP 03 184922 A (POLA CHEM IND INC), 12 August 1991 (1991-08-12) * abstract *	3-6	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	US 4 786 493 A (SMITH WALTER P ET AL) 22 November 1988 (1988-11-22) * the whole document *	1-14	
A	CH 264 760 A (GUHL, GUST., ZÜRICH (SCHWEIZ)) 16 January 1950 (1950-01-16) * the whole document *	1-14	
D,A	US 5 145 644 A (PARK JOHN Y ET AL) 8 September 1992 (1992-09-08) * the whole document *	1-14	

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1 -2 and 7-14

Compositions for hair treatment comprising a peroxidase enzyme and a yeast extract, and methods for their application.

2. Claims: 3-6

Skin compositions comprising a peroxidase enzyme and a list of six specific ingredients, not including yeast extract.